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PATENT ABSTRACTS OF JAPAN

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(71)Applicant : SONY CORP

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(54) RECORDER FOR DIGITAL INFORMATION SIGNAL

(57)Abstract:

PURPOSE: To attain recording/reproduction of an audio signal with high quality by recording a 16-bit PCM signal having a sampling frequency of 1.5fs to three split sections in addition to an 8-bit PCM signal having a sampling frequency of fs to one of the split sections.

CONSTITUTION: One track is sectioned into N, e.g., 6, sections and a digital information signal, e.g., an audio PCM signal is recorded on the split sections while being subjected to error correction processing. An n-bit PCM signal whose sampling frequency is fs is recorded on one section per one track. A PCM signal whose sampling frequency is (a.fs) or whose bit number is (b.n) is recorded while being shared in a sets or b sets of sections per track. The PCM signal having the relation of (a=1.5) and (b=2) is recorded while being shared into 3 sections per track. Thus, the PCM signal having a high sampling frequency and many bit numbers are recorded without changing a tape and head system.

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